

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014913

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03D3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03D H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/183030 A1 (DAMGAARD MORTEN ET AL) 5 December 2002 (2002-12-05) paragraph '0094! – paragraph '0112!; figures 7,8	1-4
A	EP 1 241 779 A (NOKIA CORP) 18 September 2002 (2002-09-18) paragraph '0037! – paragraph '0042!; figure 3	1-4
A	EP 1 058 378 A (MOTOROLA INC) 6 December 2000 (2000-12-06) cited in the application figure 1	1-4
A	US 6 597 748 B1 (KHLAT NADIM ET AL) 22 July 2003 (2003-07-22) cited in the application figure 1	1-4

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

26 April 2005

Date of mailing of the International search report

03/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ratajski, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014913

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002183030	A1	05-12-2002	CN EP JP TW WO	1500313 A 1374427 A1 2004529556 T 563302 B 02080390 A1		26-05-2004 02-01-2004 24-09-2004 21-11-2003 10-10-2002
EP 1241779	A	18-09-2002	US CN EP JP	2002127982 A1 1373563 A 1241779 A2 2002280988 A		12-09-2002 09-10-2002 18-09-2002 27-09-2002
EP 1058378	A	06-12-2000	EP AU BR WO JP	1058378 A1 4926900 A 0011052 A 0074230 A1 2003529956 T		06-12-2000 18-12-2000 11-06-2002 07-12-2000 07-10-2003
US 6597748	B1	22-07-2003	EP AU CN WO	1058396 A1 4926800 A 1353884 A ,C 0074252 A1		06-12-2000 18-12-2000 12-06-2002 07-12-2000